

Title (en)
Novel heterocyclic pesticidal compounds.

Title (de)
Heterozyklische pestizide Verbindungen.

Title (fr)
Composés pesticides hétérocycliques.

Publication
EP 0372816 A1 19900613 (EN)

Application
EP 89312432 A 19891129

Priority
GB 8827885 A 19881130

Abstract (en)

The present invention provides compounds of the formula (I): <CHEM> which contains between 9 and 27 carbon atoms, and wherein m and m<1> are independently selected from 0, 1 and 2; R<2a> is hydrogen, methyl, or ethyl; R<2b> is acetylene or contains between 3 and 18 carbon atoms and is a group R<7>, wherein R<7> is a C1-13 non-aromatic hydrocarbonyl group, optionally substituted by a cyano or C1-4 carbalkoxy group and/or by one or two hydroxy groups and/or by one to five halo atoms which are the same or different and/or by one to three groups R<8> which are the same or different and each contains one to four hetero atoms, which are the same or different and are chosen from oxygen, sulphur, nitrogen and silicon, 1 to 10 carbon atoms and optionally 1 to 6 fluoro or chloro atoms or R<2b> is a 6-membered aromatic ring substituted by cyano and/or by one to three groups R<8a> and/or by a group -C IDENTICAL CH, -C IDENTICAL C-R<7a> or C IDENTICAL C-halo and/or by one to five halo atoms and/or by one to three C1-4 haloalkyl groups wherein R<7a> and R<8a> are groups R<7> and R<8> as hereinbefore defined; R<4> and R<6> are the same or different and are chosen from hydrogen, methyl, trifluoromethyl or cyano; R<5a> is a group <CHEM> wherein R<9> is methyl, ethyl, chloro, bromo, methoxy, cyano, nitro, methoxymethyl, C1-4 carbalkoxy or trifluoromethyl, R<1><0> is chloro, methyl or trifluoromethyl or <CHEM> is a <CHEM> group wherein R<1><2> and R<1><3> are both hydrogen, methyl, trifluoromethyl, fluoro, chloro or bromo or R<1><2> is hydrogen and R<1><3> is fluoro, chloro or bromo, or <CHEM> is a three or four membered ring, R<9> is oxygen or a group CR<1><4>R<1><5> wherein the groups R<1><4> and R<1><5> are the same or different and each is hydrogen, fluoro, chloro or bromo or methyl or ethyl optionally substituted by 1 to 3 fluoro atoms, when <CHEM> is a three membered ring R<1><0> is a group CR<14a>R<15a> wherein R<14a>, R<15a> are the same or different and each is hydrogen, fluoro, chloro or bromo or methyl or ethyl optionally substituted by 1 to 5 fluoro atoms, or when <CHEM> is a four membered ring R<1><0> is a group CR<14a>R<15a>CR<1><6>R<1><7> wherein R<14a>, R<15a> are as hereinbefore defined, R<1><6>, and R<1><7> are the same or different and each is hydrogen, fluoro, chloro or bromo or methyl or ethyl optionally substituted by 1 to 5 fluoro atoms and R<1><1> is hydrogen, methyl, trifluoromethyl, iodo, fluoro, chloro or bromo; and R<5b> is hydrogen or C1-3 alkyl; provided that R<2b> is not propyl or butyl and that R<5a> is not tertiary butyl or tertiary amyl; which are useful pesticides, processes for preparing them, pesticidal formulations containing them and their use in the control of pest infestation.

IPC 1-7
A01N 43/28; **C07D 339/08**; **C07F 7/08**

IPC 8 full level
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Citation (search report)
• DE 3437935 A1 19860424 - MERCK PATENT GMBH [DE]
• EP 0294228 A2 19881207 - WELLCOME FOUND [GB], et al

Cited by
EP0763533A1; WO9211253A1; US11723890B2; US11679090B2

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